



Guide Formulation

TWO-PHASE HAIR REFRESHER SPRAY

WITH SPHERILEX® 10 PC AND AEROSIL® 200

AS SUSPENSION STABILIZATION AID

Hair refresher spray - The better way to refresh and style your hair.

Don't call it dry shampoo!

Multifunctional silica grades to improve suspension stability.

Phase	Ingredients	INCI Name	% w/w	Function
A	SPHINGONY®	Sphinganine	0.10	active
	dermosoft® Pentiol eco	Pentylene glycol	5.00	additive
B	Rheance® one	Glycolipids	2.00	surfactant
C	Water, deionized	Aqua	ad. 100.00	solvent
	Trisodium Citrate Dihydrate	Sodium citrate	0.50	additive
	Glycerin 99,5%, Ph.Eur.	Glycerin	3.00	humectant
	TEGO® Natural Betain	Betaine	4.00	conditioning agent
	AEROSIL® 200	Silica	0.25	hair styling/processing aid
	SPHERILEX® 10 PC	Hydrated silica	0.75	hair styling/processing aid
	Amaze Nordic Barley	Hordeum vulgare seed flour	2.00	absorbent
D	Citric Acid, 30%	Citric acid	q.s.	
			100.00	

NOTE: All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.



PROCESSING

- Pre-solve phase A while stirring and heat up to 40°C to dissolve faster.
- Combine all ingredients of phase C and add to phase A.
Homogenize with rotor stator for 2 minutes at a speed of 5000 rpm.
- Add phase B to phase A/C while stirring with low speed.
- Adjust pH value with phase D to 6.0-6.2
- Fill a pump spray bottle.

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The Silica specialists at Evonik - Inside to get it right.